

## ABSTRACT OF THE DISCLOSURE

An acrylic pressure-sensitive adhesive which is produced by advantageous continuous polymerization and has a reduced low molecular component content and therefore hardly contaminates an adherend, and a process of producing such an adhesive. The process comprises continuously feeding a monomer mainly comprising at least one alkyl (meth)acrylate, a radical polymerization initiator and carbon dioxide to a continuous reactor through a mixer and performing continuous bulk polymerization at a polymerization temperature of 50 to 180°C for a residence time of 0.5 to 60 minutes in a continuous reaction zone of said reactor.